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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/945,553	08/30/2001	Fernando Gonzalez	303.775US1	1842
21186 7590 07/13/2007 SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A. P.O. BOX 2938			EXAMINER	
			FOURSON III, GEORGE R	
MINNEAPOL	IS, MN 55402	ART UNIT PAPER NUMBER		
		2823		
			MAIL DATE	DELIVERY MODE
			07/13/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
Office Action Summary		09/945,553	GONZALEZ ET AL.			
		Examiner	Art Unit			
		George Fourson	2823			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status		•				
1)⊠ F	Responsive to communication(s) filed on 10 Ap	oril 2007.				
·	· · · · · · · · · · · · · · · · · · ·	action is non-final.				
-	,—					
•—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
	on of Claims					
	4) Claim(s) <u>1,5-7,9-12,14,15,17-22 and 30-35</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
·	) Claim(s) <u>5-7,18-22 and 30-35</u> is/are allowed.					
	☑ Claim(s) <u>1,9,10,14,15 and 17</u> is/are rejected.					
	Olaim(s) <u>11 and 12</u> is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)∐ T	he specification is objected to by the Examiner	•				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
	he oath or declaration is objected to by the Exa					
	nder 35 U.S.C. § 119					
_			4.15			
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
2) Notice 3) Informa	s) of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date <u>いろ</u> 多りが次, ひく(い)	4)  Interview Summary ( Paper No(s)/Mail Dai 5)  Notice of Informal Pa 6)  Other:	te			

Application/Control Number: 09/945,553

Art Unit: 2823

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1,9,10 and 17 are rejected under 35 U.S.C. 102(a) as being anticipated by Weimer et al.

Weimer et al '522 discloses formation of a gate stack including gate dielectric layer 106, polysilicon layer 104, metal nitride barrier layer 102, metal layer 100, patterning of the gate stack, formation of nitride or oxide spacers 114A and 114B and selective oxidation of the polysilicon layer using a specific atmosphere to reduce or prevent oxidation of the metal layer 100 [0034]-[0043]. Note that the selective oxidation process is disclosed to be useful notwithstanding the presence of the spacers. In that process the water vapor combines with the tungsten to produce gaseous WH<sub>2</sub>O<sub>4</sub> (Lim 2004/0266154, of record).

Applicant does not address the reaction of the water vapor and tungsten to produce gaseous WH<sub>2</sub>O<sub>4</sub>.

Claims 9,14 and 15 are rejected under 35 U.S.C. 102(e) as being anticipated by Wege et al 2002/0011461.

Wege et al discloses oxidation of a metal containing layer in the presence of polysilicon (col.3, lines 19-25 and col.5, lines 18-35).

Claims 9,14 and 15 do not require the presence of metal vapor or the associated combining of the metal vapor with a "first composition".

Application/Control Number: 09/945,553

Art Unit: 2823

Claims 11 and 12 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims are allowed.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Fourson whose telephone number is (571)272-1860272-1860. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Smith, can be reached on (571) 272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

Art Unit: 2823

you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/George Fourson/ George Fourson Primary Examiner Art Unit 2823

GFourson July 9, 2007